

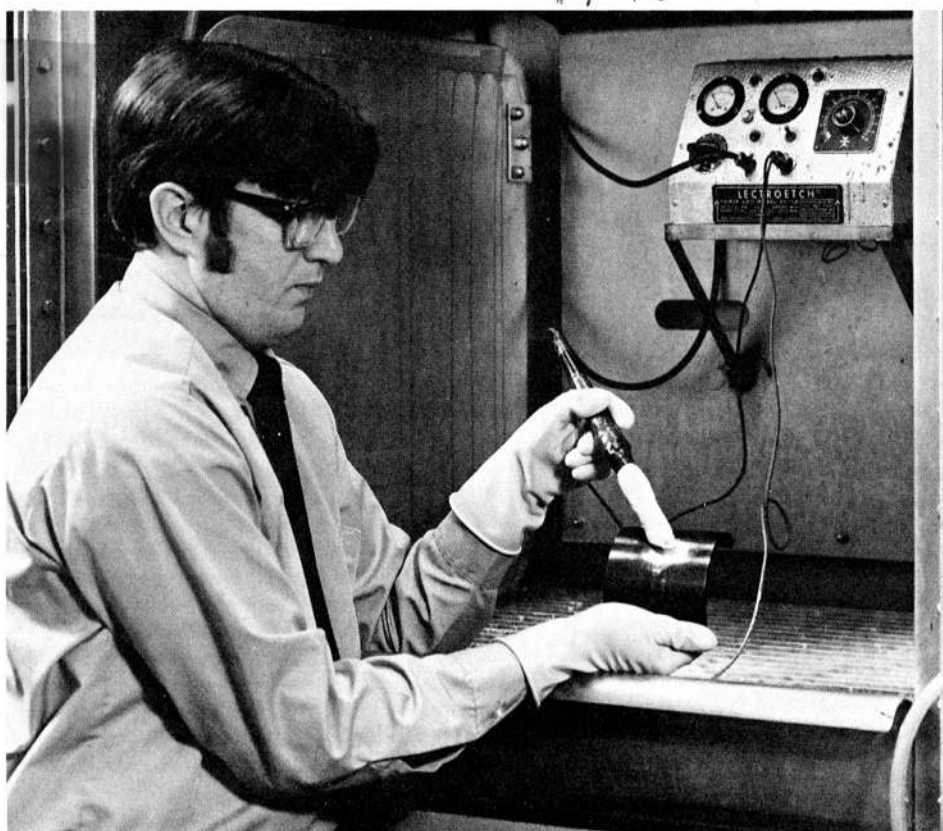


# NUCLEAR DIVISION NEWS

A Newspaper for Employees of the Nuclear Division, Union Carbide Corporation

Vol. 3 — No. 5

Thursday, March 30, 1972



144826  
**PORTABLE ELECTROPOLISHING** — John W. Scott, Y-12 Alpha Five Assembly, demonstrates the portable electropolishing system he devised for use at the plant. The system has numerous advantages over conventional systems for removal of oxidation and corrosion from metal products.

## New portable electropolishing system developed

A portable electropolishing system which removes corrosion from metal products has been developed at the Oak Ridge Y-12 Plant.

Electropolishing, the cleaning of metal products by electrochemical methods, conventionally requires the use of giant tanks or vats in which metal parts are immersed in liquid solutions. In contrast, the portable electropolisher, devised by Union Carbide engineer John W. Scott, is a hand-held unit which can be operated on a work bench and permits the removal of small areas of corrosion without disturbing other areas of a metal workpiece.

The equipment consists of a carbon or metallic rod which can be virtually any size or shape desired, wrapped in several layers of an acid-resistant, absorbent cloth. This rod, referred to as the brush, is dipped in electropolishing fluid and direct current from a rectifier

is applied, causing the brush to become negatively charged.

A metal workpiece to be cleaned also is attached to a rectifier and is positively charged. When the electrified brush touches the metal workpiece, dissolution of the metal surface occurs, thus removing any oxidation or corrosion.

In addition, the new process also permits increased control, a wider variety of electrochemical processes, more economical use of chemicals involved, and the elimination of expensive fixturing required to hold parts and to distribute current in immersion tanks.

Engineering details of this system are being made available through the Industrial Cooperation Program of Union Carbide Corporation, Nuclear Division. Firms desiring this information should contact George W. Mitchel, Oak Ridge Y-12 Plant, P. O. Box Y, Oak Ridge, Tennessee 37830.

## NUCLEAR DIVISION SAFETY SCOREBOARD

"A Safe Place to Work"

Time Worked without a Lost-Time Accident:

ORGDP .....	76 Days	1,050,000 Man-Hours
ORNL .....	60 Days	1,524,402 Man-Hours
Paducah .....	142 Days	863,000 Man-Hours
Y-12 .....	156 Days	5,740,000 Man-Hours

Through March 23

## New savings bond drive starts May 5 with goal of 50 percent participants

The third annual U.S. Savings Bond campaign for Nuclear Division facilities will be launched April 10 and run through May 5. The goal of this year's drive is to achieve 50 percent participation by all four Division facilities.

General chairman of this year's drive is Kenneth W. Sommerfeld, Superintendent, Operations Division, at the Oak Ridge Gaseous Diffusion Plant. Sommerfeld explained that as a result of the Savings Bond programs the last two years, more than 5,000 Nuclear Division employees are now purchasing savings bonds through the Payroll Savings Plan.

Members of Sommerfeld's committee include: James C. Barton, Oak Ridge Gaseous Diffusion Plant; Ward E. Foster, Oak Ridge National Laboratory; Thomas R. Webber, Oak Ridge Y-12 Plant; John L. Clark, Paducah Gaseous Diffusion Plant; and W. T. Carter, General Staff.

### How to enroll

Participation in the Payroll Savings Plan provides for a minimum investment of 50 cents a week or two dollars a month. In order to participate, employees must fill out a payroll authorization card in which they indicate the dollar value of the bonds they wish to purchase. While bonds come in various denominations, the most popular are the \$25, \$50 and \$100 bonds.

Only those employees who are not yet participating in the payroll savings plan will be contacted. However, employees wishing to change the amount they are

saving can do so by filling out a "Payroll Savings Authorization Card — U.S. Savings Bonds."

Commenting on this year's goal of 50 percent participation, Sommerfeld explained that each facility achieving 50 percent participation will be awarded a special "Minuteman Flag" by the U. S. Treasury Department. This flag can be flown below the American flag.

### Popular savings method

Pointing out that U. S. Savings Bonds are an excellent investment, Sommerfeld said that interest rates have increased seven times since the first Series E Bond was sold on May 1, 1941. The current interest rate is five and one-half percent, if the bond is held to maturity.

According to the Department of the Treasury, approximately 120 million individual bonds are being purchased each year. More than 10 million workers buy Series E Bonds regularly through the Payroll Savings Plan—at an average of \$311 per year for each purchaser. Sales through Payroll Savings account for approximately 70 percent of the total sales.

Today, tens of millions of Americans hold more than \$53 billion in Savings Bonds—23 percent of the privately held portion of the public debt. The value of the Bonds outstanding averages \$1,000 per family. Tennesseans own nearly \$600 million in the securities, returning them about \$27 million annually in interest.

## QUESTION BOX

(Editor's Note: Recently we asked for questions from all employees on company benefits, policies, etc. In this issue we are launching a regular series of questions and answers in THE QUESTION BOX. If you have any question, send it to the Editor, Nuclear Division News, Building 9704-2, Y-12. Sign your name or not, we'll try to get the answer for you. If you wish your answer to come directly to you, please say so, and we will forward it on to you. If you prefer, it will not be used in the News.)

**Question:** Recently I saw a story in the **Nuclear Division News** stating you would answer questions mailed to this address. If Carbide's present policy on retirement is still in effect and I am still employed when I become 62 years of age, how much Carbide pension would I draw at that time? How much Social Security benefits would I receive? You may just give approximately figures.

**Answer:** Union Carbide's pension plan (non-contributory) may be figured by using the following formula: Multiply the number of years company service (you must have a minimum of 10 years) times the average of your monthly salary for your five best years of income, times 1.1 percent. Say you earned an

average of \$800 per month of the past five years (in most cases the best) and retired with 22 years company service. Your income would be  $22 \times \$800 \times 1.1\%$  or \$193.60. Assuming you are eligible for the maximum, your social security payments would be approximately 80 percent of the maximum \$211 . . . or \$188, if you elect to take reduced payments at age 62 . . . for a combined income of \$381.60. (The employee asking the above question was referred to Y-12's Retirement Counseling Office for a personal breakdown of his retirement income . . . one that was answered in confidence.)

**Question:** Can you tell me how many Union Carbide employees own stock in  
(Continued on Page 8)



# How much do you know about savings bonds?

## Q. What are U.S. Savings Bonds?

A. They are nonmarketable, nonnegotiable securities, issued only in registered form and payable only to the registered owners during their lifetime.

## Q. Is there more than one type of Savings Bond?

A. Yes. The popular Series E Bond is an appreciation-type security that is purchased at a cost of 75 percent of face value; interest is paid by gradual increase in redemption value. The Series H Bond is a current-income security, purchased at face (par) value; interest is paid by Treasury check every six months following purchase date.

## Q. What denominations are available?

A. Series E Bonds are sold to individuals in seven denominations — \$25, \$50, \$75, \$100, \$200, \$500 and \$1,000. H Bonds are sold to individuals in three denominations—\$500, \$1,000 and \$5,000. Further, \$10,000 E and H Bonds are available for coownership purchases, reissues and exchanges.

## Q. Is there any limit on the number any person can buy?

A. Yes. For E Bonds, the annual limitation is now \$5,000, **issue price**; for H Bonds, it is \$5,000, face value. This limitation is for each calendar year. Each owner may hold up to this amount in each calendar year. In computing this limit, coownership Bonds may be applied to the holdings of either or apportioned between them. For example, two persons may own a total of \$10,000, issue price, of Series E Bonds issued in 1972. (Bonds issued in beneficiary form are applied wholly to the owner.) Incidentally, the limitation on holdings does not apply to H Bonds received in exchange for Series E Bonds.

## Q. What is the current interest rate on Savings Bonds?

A. The present rate is 5½ percent, compounded semiannually, if Bonds are held to maturity or beyond. E Bonds now on sale mature in 5 years, 10 months; H Bonds mature in 10 years.

## Q. Do E Bonds bought when the rate was much lower benefit from the new rate?

A. Yes. Beginning with the rate increase of June 1, 1959, all outstanding E Bonds had their rates improved with each successive rate increase. Here's how older E Bonds are affected by the higher rate. Outstanding Bonds that have not reached their first maturity receive a ½-percent increase in yield, for semiannual interest periods, beginning on or after June 1, 1970—payable as a bonus at maturity. Outstanding E Bonds that have reached first maturity—or are extended beyond first maturity, while the bonus is in effect—have the ½ percent credited at the end of each semiannual interest period, beginning on or after June 1, 1970, through their next maturity. The bonus is payable whenever the Bonds are redeemed.

## Q. Does this same procedure apply to H Bonds?

A. No. H Bonds now on sale return 5½ percent when held to maturity. They earn 4.49 percent the first year, 5.30 percent for the next 4 years and 6.00 percent during the second 5 years.

## Q. What does this mean in dollars?

A. Payment checks for a \$1,000 H Bond sold today are as follows — the first is \$18.50; the next nine are for \$26.50; the last 10 are for \$30. Amounts would be prorated for other denominations.

## Q. What about H Bonds sold before the bonus interest rate went into effect?

A. Outstanding H Bonds that have been held for less than 5 years receive a ½-percent increase in yield for semiannual interest periods, beginning on or after June 1, 1970, payable as a bonus in the form of increased semiannual interest payments, during the second 5 years to maturity. H Bonds that have been held 5 years—or are extended while the bonus is in effect—receive a ½-percent increase in yield for semiannual interest periods, beginning on or after June 1, 1970. The bonus is added to semiannual interest checks through next maturity.

## Q. Does state income tax law affect Savings Bonds holdings?

A. No. Interest on Savings Bonds is exempt from all state or local income or personal property taxes. Such interest is subject to federal income tax, but the tax on E-Bond interest may be deferred until the Bonds are cashed or reach final maturity. H Bond interest, paid semiannually by Treasury check, must be reported annually for federal income tax purposes.

## Q. Should a recently married person wish to make his wife coowner of his Bonds, must he cash them in and buy new bonds, or can he have them reissued?

A. Bonds may be reissued to effect change in marital status, death of a coowner, etc. Write a letter, explaining the reason for desiring reissue, to the Department of the Treasury, Bureau of the Public Debt, Division of Loans and Currency Branch, 536 S. Clark St., Chicago, Ill. 60605.

## Q. Should Bonds be destroyed by fire, are replacements available?

A. Yes. Savings Bonds are "indestructible"—whether lost, stolen, mutilated, or destroyed, the Treasury will replace them free of charge. Write to the Department of the Treasury, Bureau of the Public Debt, Division of Loans and Currency Branch, 536 S. Clark St., Chicago, Ill. 60605. Include as much information as possible about the missing bonds.

## Q. How is the present value of Bonds purchased years ago determined?

A. All outstanding Series E and H Savings Bonds are still earning interest, regardless of date of issue. Your bank can supply information regarding current redemption values of E Bonds. If you wish, you may order "Tables of Redemption Values" from the Superintendent of Documents, U. S. Government Printing Office, Washington, D.C. 20402. The cost is 20 cents for a single copy, \$1 for a three-year subscription (six issues).

**PLANNING AHEAD?** — If you buy a \$100 bond a month, you will have \$22,225, including \$7,000 in interest after 15 years, 10 months. U. S. savings bonds are an excellent way to save, for retirement or for any purpose.



MAP SAVINGS BOND CAMPAIGN—The 1972 Savings Bond Campaign for the Nuclear Division will get under way on April 10. The committee for the drive includes, from left: Ward Foster, Oak Ridge National Laboratory; W. T. Carter, General Staff; Kenneth W. Sommerfeld, overall campaign chairman; Thomas R. Webber, Oak Ridge Y-12 Plant; and James C. Barton, Oak Ridge Gaseous Diffusion Plant. John L. Clark, Paducah Gaseous Diffusion Plant, was absent when the picture was taken.

## Why buy bonds?

### TEN GOOD REASONS FOR OWNING SAVINGS BONDS...

1. Savings Bonds provide **maximum safety** of investment — they are backed by the full faith and credit of the federal government.
2. Interest rates are **guaranteed to maturity**—you can never get back less than you pay in. Interest may be increased, but not decreased.
3. Bonds are friends in need. They are **liquid assets** which may be cashed after a minimal holding period — two months for E Bonds; six months for H Bonds.
4. Bonds are **"indestructible"**. Any Bond lost, stolen, mutilated, or destroyed will be replaced at no charge. A record of each Bond sold is maintained by serial number and name of owner.
5. Choice of **registration**—Bonds may be issued in one name only, in the names of two persons as coowners, or in the name of one person, with a second person as beneficiary (payable on death).
6. Bonds are **convenient to buy**. The Payroll Savings Plan—in operation by numerous firms and governmental agencies — permits Savings Bonds to be purchased on a partial payment plan. Bonds may also be purchased on the Bond-A-Month Plan offered by many banks.
7. **Tax benefits** — Interest on Savings

Bonds is exempt from all state or local income or personal property taxes. Interest is subject to federal income tax, but the tax on E-Bond interest may be deferred until the E Bonds are cashed or reach final maturity. H-Bond interest, paid semiannually by Treasury check, must be reported annually for federal income tax purposes.

8. **Exchange privilege**—Series E Bonds may be exchanged for current-income H Bonds. Federal income tax on accrued E-Bond interest may continue to be deferred until the H Bonds are redeemed or mature.
9. **Not subject to probate** — Savings Bonds issued with a surviving co-owner or beneficiary do not form a part of an estate for probate purposes, but their value must usually be included in computing the gross estate for estate and inheritance tax purposes, in accordance with federal laws and those of individual states.
10. **Prudence and patriotism** — Buying Savings Bonds helps the government manage the national debt in the most noninflationary manner and helps finance programs and projects vital to our individual and collective well-being.

**LOST OR STOLEN** — U. S. government bonds will be replaced in case they are lost, burned, or stolen.

## NUCLEAR DIVISION NEWS



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## Safety glass decision: how does it concern the average wearer?

By James R. Rule

A ruling of the Food and Drug Administration went into effect January 1, 1972, which requires that all eye glasses and sun glasses made after that date must be made with impact-resistant lenses. These lenses, which are made of plastic or heat treated glass, must be capable of withstanding the impact of a 5/8 inch (approximately .56 oz.) steel ball dropped on the horizontal front surface on the lens from a height of 50 inches. This is equal to an impact of 14 foot pounds. This results in a pair of "safer" glasses than was previously true of personal or "streetwear" glasses.

The term impact-resistant does not mean that the lenses are unbreakable, but it means that they will afford greater protection than regular lenses that have been in use in the past.

### To Reduce Injury

The National Society for the Prevention of Blindness has expressed the belief that use of the impact-resistant lenses in non-industrial situations will significantly reduce eye injuries due to breakage of fragile lenses which were in use prior to the new ruling.

Impact-resistant lenses are not "safety" glasses, a term which is reserved for the glasses made for industrial use. Therefore, they cannot be worn for industrial protection in those areas where safety glasses are required.

Industrial safety glasses must meet far more rigid specifications, some of which are minimum thickness (3.0 mm at thinnest point), "drop ball" testing with a 1 inch steel ball (approximately 2.4 oz.) dropped from a height of 50 inches, which is equal to an impact of .61 foot pounds. The lenses must be mounted in an approved safety frame.

That, briefly, explains some of the differences between "safer" glasses and "safety" glasses. "Safer" glasses afford adequate protection to the average individual in normal use. "Safety" glasses afford greater protection for use in industrial areas where hazards are greater.

For more information, contact James R. Rule in the Occupational Vision Section, Health Division, ORNL.

## Four major organizational changes announced at ORNL

Several major organizational changes, including the appointment of four new Division Directors, were announced last week at ORNL.

James A. Barker has been appointed director of the Personnel Division, effective April 1. He assumes the position formerly held by L. H. "Sky" Barker who is retiring.

Michael K. Wilkinson will become director of the Solid State Division, effective April 17. He replaces Douglas S. Billington who becomes Senior Research Advisor.

James C. White will become director of the Analytical Chemistry Division, May 1. Myron T. Kelley, the present division director, will become Senior Research Advisor to the division.

On July 1, John A. Auxier will become director of Health Physics Division. He replaces Karl Z. Morgan who is retiring later this year.

Several additional organizational changes will take place April 1:

The name of the present Ecological Sciences Division will be changed to the "Environmental Sciences Division" with a broadening of program.

Salt mine and hydrofracture radioactive waste disposal programs and other efforts related to the processing and development of waste disposal methods, formerly carried out within the Health Physics Division, will be transferred to the Chemical Technology Division. Research and development will be transferred to the newly-named Environmental Sciences Division.

### Veteran Staff Members

All of the newly-announced directors are veteran members of the staffs of their respective divisions. Auxier was section chief of radiation dosimetry research. Barker, White and Wilkinson have served as associate division directors for several years.

Auxier received the M.S. in physics from Vanderbilt University in 1952. He joined the ORNL staff in 1955 and has specialized in radiation detection and measurement, scientific administration, and has served as editor of the scientific journal *Health Physics*.

Auxier has served on various committees and task groups of the International Commission on Radiological Units and Measurements (ICRU) and the U.S.

Interest until the H Bonds are cashed or mature. Thus, the tax money you still owe on E Bond interest enables you to earn more money as H Bond interest.

For example, if you invest \$75 a month (for a \$100 Bond) for 15 years, 10 months, you accumulate \$22,225. At that point you exchange the E's for \$22,500 worth of H Bonds (you'll add \$275 in cash to bring the amount exchanged up to the next highest \$500 multiple). Of this total, \$7,975 represents accrued interest which is not taxable on exchange. From your \$22,500 in H Bonds you receive \$1,012.50 in interest the first year, and \$1,192 each year for the next four years, and \$1,350 each year for the succeeding five years.

Tax on the accumulated E Bond interest would be due, of course, when the H Bonds reach final maturity or are redeemed — but at your lower post-retirement tax rate.



Michael K. Wilkinson



James C. White



James A. Barker



John A. Auxier

National Commission for Radiological Protection (NCRP). The activities of these committees are concerned with establishing the basis for radiation standards. He was one of the organizers and the first president of Scientists and Engineers for Appalachia, an association formed to utilize science and technology toward the enrichment of life in Appalachia.

The past year he has spent at Georgia Institute of Technology, completing requirements for the Ph.D. degree in nuclear engineering with a health physics specialty.

### James A. Barker

James A. Barker, who joined the Laboratory staff in 1951, received his B.S. in business administration in 1948 and M.S. in administrative and personnel management in 1958 from The University of Tennessee. For the past two years he has served also as a member of the Industry Advisory Committee of the Job Evaluation and Pay Review Task Force of the U.S. Civil Service Commission.

White received his Ph.D. from Ohio State University in 1950 and joined the staff of ORNL later that year. He served as a group leader in Analytical Chemistry Division until 1960 when he was named assistant director in charge of research and development; in 1967 he was named associate director of the division. White's main research interests are analytical biochemistry and clinical chemistry, separation by means of solvent extraction, the analytical chemistry of molten fluoride salts,

methods for the determination of interstitials in pure materials, and the organization of an analytical staff to meet requirements posed by modern science.

Wilkinson, who joined ORNL in 1950 after receiving his Ph.D. in physics from Massachusetts Institute of Technology, is a recognized authority in the applications of neutron scattering techniques to solid state problems. His research investigations have included many topics of solid state interest with the main emphasis in the field of magnetism. He pioneered in neutron diffraction investigations of both the iron group metals and the rare earth metals, and these studies represent a basis for much of the theoretical effort in recent years to develop a basic understanding of magnetism in metals.

## NSA sponsors course

The last in a series of six courses being sponsored by the Oak Ridge Chapter of the National Secretaries Association for secretaries and clerical personnel in the Oak Ridge area will begin April 4. "In-Basket Techniques" will be offered from 6:30 to 8:30 p.m. each Tuesday for five weeks. Carolyn Sheddin, CPS and Instructor in The University of Tennessee College of Business Administration, will teach the class to be held at the Oak Ridge High School.

Anyone interested in enrolling may contact Rebecca Rickman, CPS and Chairman of the CPS and Education Committee, 3-6601.

## Savings bonds for retirement? Why not?

Everyone's interested in a supplementary income for his retirement years. Series E Savings Bonds offer an ideal opportunity to assure that extra income.

You can guarantee this retirement income by one of two methods. Under the first method, you purchase the E Bonds during your working years and, after retirement, cash the Bonds as needed to supplement income, reporting only the interest from those bonds cashed as income on your Federal tax form. Income usually is lower in retirement, and with the double tax exemption after age 65, taxes are even further reduced.

Under the second method, you exchange your Series E Bonds for H Bonds at retirement. The H Bonds pay interest semi-annually. The accumulated interest on the E Bonds is applied to the purchase of the H Bonds with the privilege of further deferring tax liability on E Bond in-



4207



**CLEAN-UP TIME**—Paducah Plant's Clean-Up Committee has chosen the theme "Clean Up the View in '72" as its topic. Seated from left are C. L. Bratcher, Bill Blair, William Burnel, Chairman Tony Dean, Jack E. McCaw, G. Keith Bryant, George L. Bryant and D. K. Riley. Standing are James M. Jackson, John W. Hornsby, John W. Hughey and Allen W. Russell.

## Oak Ridge golfers choose April 22 as tee-off at Wallace Hills, Southwest Point, and Gatlinburg

Oak Ridge golfers need to register for the April 22 tournament, set for Y-12ers at Wallace Hills, Maryville; for ORNLers at Gatlinburg; and for employees at ORGDP, at Southwest Point, Kingston.

The point quota will be used in scoring for each individual plant tournament. This is different from Y-12 and ORGDP scoring in the past.

Tee-off application appears below, adapted so that an employee from any of the three plants may apply to his own plant's Recreation Department. The addresses are as follows: Y-12, 9711-5; ORNL, 4500-N; and ORGDP, K-1001.

The schedule is as follows:

### ORNL

April 22 ..... Gatlinburg  
May 20 ..... Whittle Springs  
June 24 ..... Wallace Hills  
July 22 ..... Cedar Hills  
August 26 ..... Southwest Point

### ORGDP

April 22 ..... Southwest Point  
May 20 ..... Wallace Hills  
June 24 ..... Cedar Hills  
July 22 ..... Whittle Springs  
September 9 ..... Gatlinburg

### Y-12

April 22 ..... Wallace Hills  
May 20 ..... Gatlinburg  
June 24 ..... Whittle Springs  
July 22 ..... Southwest Point  
August 26 ..... Cedar Hills

Deadline for entering the first tournament will be 4:30 p.m., Wednesday, April 19. Tee-off times will be drawn on Thursday, April 20, and team captains notified of the exact time of take-off.

Arrangements for carts must be made by the individual golfer with the pro shop involved, with the exception of Gatlinburg. Carts cannot be reserved, however, until a definite tee-off time is assigned.

This is the only time the application will appear before the April 22 tournament.

## Patents granted

To William C. Yee, ORNL, for the "Chemical-Electro-Chemical Cycle for Desalination of Water."

To William L. Pattison, John P. McBride and Kenneth H. McCorkle, ORNL, for the "Production of Predominantly Crystalline Sols or Urania."

To Roscoe Van Winkle, ORNL, for "Variable Orifice for Multistage Flash Evaporation or Distillation Units."

To Bernard J. Sturm and Charles T. Butler, ORNL, for a "Method for the Production of Single Crystals."

## Spring clean-up at Paducah, contest planned

The first hint of green in Paducah has brought up an organizational meeting of the Spring Clean-Up Committee. The theme for this year's activities will be "Clean up the View in '72," and the target is to make the plant a clean, neater and more attractive place to work. It logically follows that this will make the plant areas a lot safer and more pleasant, too.

Progress will be reported in later issues of the **Nuclear Division News**.

Meanwhile, to stimulate interest in the spring safety topic, "Ladder Safety," the plant is conducting an unusual contest. Before April 12, a dummy will be attached to a ladder near the flagpole at the plant's main gate. Sometime between 12:01 a.m. on April 12 and 11:59 p.m. on May 24, the dummy

will fall. The object of the contest is simply to guess when. Three prizes, each a \$15 gift certificate to a popular Paducah restaurant, will be awarded.

Soon all employees will be given individual cards for their personal guess. Lost cards cannot be replaced. Spaces will be provided for the exact day, hour (please show a.m. or p.m.), minute, and second. The cards must be turned in to supervisors by the end of scheduled work on April 7, or April 8 for B shifters.

The shift superintendent will declare the official fall in case of severe weather conditions or an anxious competitor. Any ties will be decided by a draw, and prizes will be awarded soon after the fall.

So take a guess, and watch the dummy!

4211



**EDUCATIONAL SUPPORT** — Robert A. Winkel, superintendent of the Paducah Gaseous Diffusion Plant, presents an educational grant to the Paducah Community College. Accepting the grant is Donald J. Clemens, director of the Paducah Community College. The unrestricted \$1,000 grant is part of the close contact existing between the institution and the Nuclear Division of Union Carbide Corporation.

## Carbide Camera Club to offer free course

The Carbide Camera Club is sponsoring a course in photography to be held April 6, 13, 20, May 18 and 25. Classes will be held in room D-211 Cheyenne Hall in Oak Ridge from 7:30-9 p.m.

The first two sessions will be taught by Al Palko. It will be directed to beginners and offer instruction about cameras, black and white film, and printing techniques. The third session, taught by C. B. Richter, will be on film developing techniques.

E. D. Arnold will conduct the fourth session on light and the final class, taught by Bob Stephenson, will be concerned with flash and studio lighting. It will also include a demonstration of club equipment.

Between classes practice sessions will be held by club members at the club's quarters in Cheyenne Hall.

The course is available free of charge to all Carbide employees and their families.

## CU dividend

The ORNL Credit Union reports that it will pay a first quarter dividend of:

**6%**



### ORGDP

**RIDE WANTED** or will join car pool from Maryville to ORGDP Portal 4 or 5, 8 to 4:30 shift. Ed Crowe, plant phone 3-3396, home phone Maryville 984-0064.

### Y-12

**RIDE WANTED** or will join car pool from Halls area, Knoxville, to West Portal, J. Shift. Ray Edwards, plant phone 3-7596, home phone Knoxville 687-7890.

**RIDERS WANTED** from Kingston Pike, Chapman Highway, Sutherland Avenue area, Knoxville, to East Portal, straight day. H. J. Wyrick, plant phone 3-5961, home phone Knoxville 573-1134.

### ORNL

**CAR POOL MEMBERS WANTED** from West Hills or Crestwood Hills in Knoxville to West or South Portal, 8 a.m. Pat Patterson, 3-6903 or 693-1764.

**CAR POOL MEMBERS WANTED** from vicinity of Waddell, West Outer, Pennsylvania or Utah to East or North Portal, 8:15 a.m. Tom Burnett, 3-6939 or 483-1975.

"The young man who has not wept is a savage/the old man who will not laugh is a fool."—Santayana

## Tee-Off Time Application for April 22, 1972

(Check Appropriate Plant)

- ☐ ORGDP—SOUTHWEST POINT GOLF COURSE  
☐ Y-12—WALLACE HILLS GOLF COURSE  
☐ ORNL—GATLINBURG GOLF CLUB

Check

2 Carts

LEADER

Phone

Bldg.

Time Preferred

### COMPLETE AND RETURN TO YOUR RECREATION OFFICE

Entries must be received prior to drawing on Wed. 19, 2:00 P.M.

ORGDP—Building K1001—C-Wing—Room 136

Y-12—Building 9711-5

ORNL—Building 4500—Room K-113

Tee-off times for all tournaments will be drawn on Wednesdays prior to each Saturday's tournament. Other than at Gatlinburg, golfers are responsible for reserving their own carts by contacting the pro shop following drawing for tee-off times.



## CLARK CENTER RECREATION PARK

### DECAL APPLICATION

NAME		BADGE NO.
PLANT	MAIL STOP	BLDG. AND ROOM NO.
HOME ADDRESS - STREET		
CITY		
NO. OF DECALS NEEDED (ONE PER VEHICLE)		
VEHICLE LICENSE NO. (S)		

DECAL GOES ON RIGHT FRONT BUMPER

## Park decal application

Decal application to the Clark Center Recreation Park in Oak Ridge is repeated above. Many stated they lost their application or never saw it.

The old decals will expire on the Memorial Day weekend. The Recreation Department requests that the identification markers be put on the right front bumper of the auto. Motorbikes and cycles also need decals.

All requests should be mailed to the Recreation Department, Building 4500-N, ORNL.

The park is restricted to employees of the Nuclear Division of Union Carbide, the Atomic Energy Commission, Oak Ridge Associated Universities, and the University of Tennessee Agricultural Research Laboratory.

## Williams, Huddleston present technical talks



Williams

Huddleston

Roy L. Williams, a machine tool design engineer in Y-12's Development Division, spoke to a chapter meeting of the Society of Manufacturing Engineers at Manchester, Tenn., recently.

In his talk, Williams discussed "Metal Cutting Potpourri," giving metal cutting history and describing some of the modern, precision machining techniques now being used.

Roy L. Huddleston, development engineer in Y-12's Development Division discussed "High Pressure Technology" at a meeting of the Society for Experimental Stress Analysis, recently, at the Regas Restaurant, Knoxville.

## Investors set meeting

A special meeting of the East Tennessee Council of the National Association of Investment Clubs will meet April 12, at 8 p.m. at the Oak Ridge Playhouse, Jackson Square. Tom O'Hara, editor of **Better Investing**, will speak on "Buying Stocks at the Right Price." No admission is charged and the general public is invited. A question and answer session will follow O'Hara's talk.

## COMPANY SERVICE —20-25-30—

### Y-12 PLANT

#### 25 YEARS

Cordell H. Dixon, J. B. Quinn, and Newton L. Waters.

#### 20 YEARS

Ernest M. McCullough, Sam H. Davis, Violet B. Geis, Dennis E. Stone, John B. Money, Bruce L. Loflen, Bert O. Davis, Martin L. Gardner, Bobby F. Rutherford, William I. Galyon, Conley B. Stoksbury, Edgar F. Poe, Jr., Harvey E. Coppock, James K. McCollum, Ernest T. Ely, Jr., Kenneth R. Bowers, James C. Duff, James K. Cox, James B. Price, Charles D. Wills, Edd Webber, Alonzo Mills, Alford F. Herrell, Glendon T. Miller, Lewis B. Eggers, and George D. Smallwood.

### ORGDP

#### 25 YEARS

Barney D. Dixon, Pauline Wallis and Geneva A. Tedder.

#### 20 YEARS

Rodney K. Reinert, William J. Grumbach, Clyde C. Hopkins, William G. Fort, James L. Fritts, Violet B. Geis, Robert V. Adkins, Henry F. King, Ray D. Norris, Grace M. Usry, John K. Keith, Howard M. Finch, Jr., J. R. Altum, Tarzan K. Hawkins, Donald R. Gardner, Donald D. Johnson, James L. Miller, Elsie L. McKeethan, Gary L. Pickel, Harvey W. Bullock, Melvin D. Fox, Clarence C. Dawn, Charles K. Steele, Jack Miller, Orin W. Sykes, William P. Constance, James D. Fletcher, Dorothy L. Davis, and Rose M. Judd.

### PADUCAH

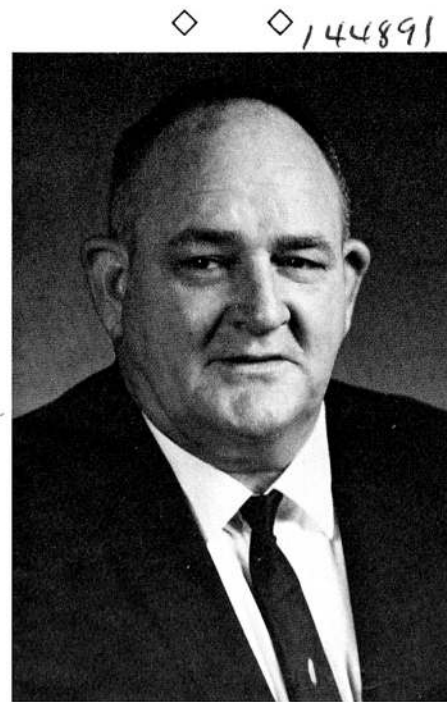
#### 20 YEARS

John W. Bridges, Manfred L. Whitside, James H. Webb, Lawrence S. Franklin, Robert F. Mohler, William E. Shelton, William R. Hines, Harold V. Carr, Harold L. Connor, Thomas W. Lowery, Gilbert F. Killebrew, Donald S. Muir, Thomas C. Caylor, Forrest P. Smith, James R. Morton, William O. Boren, Samuel G. Beekman, Knox G. Cherry, William J. Kelly, John S. Triplett, Beach P. Jones, Robert W. Murray, L. G. Bourgois, Jr., Robert O. Williams, and Glen Koster.

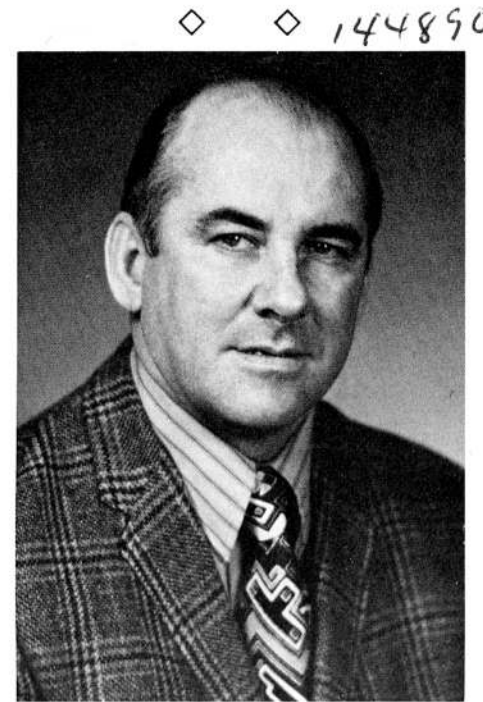
## Boy Scout flag arrives

Help! Ray Seivers, Electrical, has a flag that has flown over the U. S. Capitol. Someone requested he obtain it for a Boy Scout troop, and he has forgotten who asked for it. So, if it were you, just get in touch with Seivers at 3-5445, or call him at home in Clinton, 457-1610.

## Y-12 technical division promotes 3



Charles R. Settles



Henry C. East

The Technical Division has named new foremen in Materials Testing Support and in Production Radiation Testing. They are Henry C. East, Patrick A. Porter, and Charles R. Settles.

Henry C. East came with Union Carbide May 3, 1946, after serving three years in the Navy. He worked in the Quality Control Lab of the Barrier Plant at ORGDP until 1961, when he transferred to Y-12. He is a native of Jellico.

The East home is at 353 West Outer Drive. Mrs. East is the former Bonnie Tays, and they have two children, Gary and Greg Waldroup.

He lists fishing and archery as his chief hobbies.

### Patrick A. Porter

A native of Maryville, Patrick A. Porter is a graduate of Tennessee A & I. He graduated from the physical testing section of the Training and Technology project in August, 1967, when he came to Physical Testing.

Porter lives on Topside Road, Louisville, and likes to fish, hunt and bowl in his spare time.

### Charles R. Settles

Born in Lenoir City, Charles R. Settles joined Union Carbide February 5, 1955. He was in the Army from 1950 to 1952 and has served the past 20 years in the National Guard.

The Settles home is at 908 East First Avenue, Lenoir City. Mrs. Settles is the former Emma Phillips, and they have a daughter Debra at home.

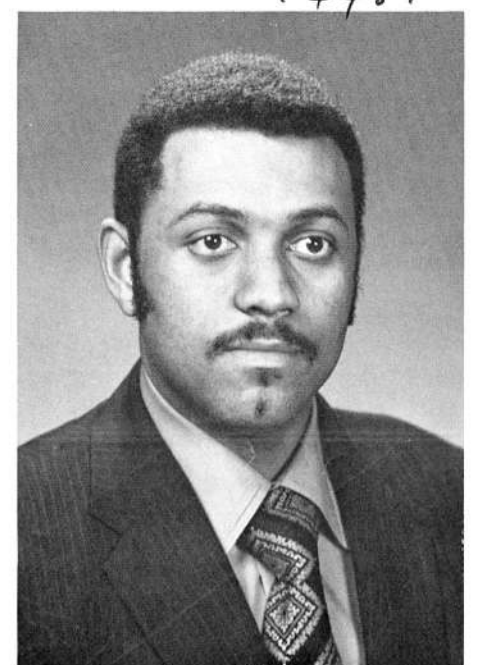
His main avocation is golf.

## Garden club's flower show set April 22 & 23

The Melton Hill Council of Garden Clubs is welcoming the Spring season with two popular events April 22-23. In cooperation with the Oak Ridge Chamber of Commerce, the annual tour of gardens will be held. Those wishing to make their garden available for public viewing should contact Mrs. John May, Vista Road, Oak Ridge.

"Springtime in Oak Ridge," a standard flower show, will be held in the Shep Lauter Room of the Civic Center. There is no admission charge. Mrs. Lester Petrie is chairman for the show.

"Where we cannot invent, we can at least improve."—Caleb Colton.



Patrick A. Porter

## March retirements up

Retiring from ORNL's Biology Division at the end of March is Thomas E. Whitaker, an Animal Facility Supervisor. Whitaker came to ORNL in February 1946. He plans to rest and garden at his home on Oak Ridge Highway and fish a little on the side.

A total of nine Y-12ers are retiring at the end of March, four early, and five normal.

Utilities Administration sees the retirement of Elmer I. Clark and Lester L. Kilgore. Katie Cole retires, after 28 years' company service, from Building Services.

Also retiring from Building Services is Eugene F. Dykes. From Electrical Robert E. Douglas and Travis E. Rogers retire. Amos L. Hensley, from Machine Maintenance, elects early retirement. In the Maintenance Division, John M. Sinclair retires from Buildings, Grounds and Maintenance Shops; and Lawrence M. Meadows retires from Process Maintenance.

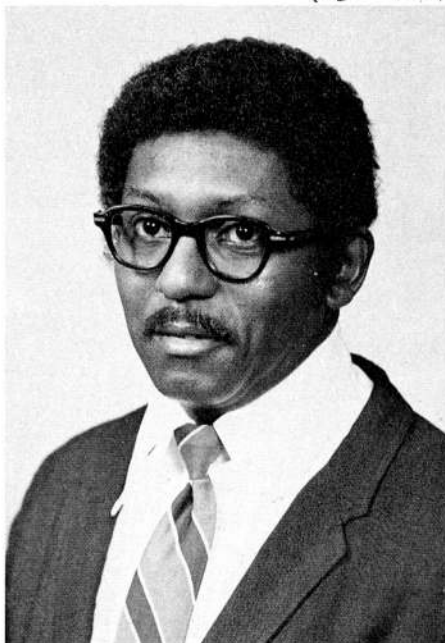
Three ORGDP veterans retired February 29, marking long careers with Union Carbide. They were Whitford Couk, who lives in Lenoir City; Tommy G. Dry, from Oak Ridge; and Oscar P. Copeland, also from Oak Ridge.



# ORGDP announces four promotions



Dwight W. Brewer  
72 464



Marvin T. Melton  
72 243



John B. Patton



Michael J. E. Shelton

Four promotions are announced at the Oak Ridge Gaseous Diffusion Plant, as Marvin T. Melton is named an engineering aid in Operations Analysis and Michael J. E. Shelton is promoted to foreman in the Operations Division. Dwight W. Brewer is a laboratory technician and John B. Patton is an associate maintenance engineer in Fabrication and Maintenance.

## Dwight W. Brewer

Born in Maryville, Dwight W. Brewer came with Union Carbide four years ago as an instrument mechanic. He served two and one-half years on active duty at the Nike Hercules Missile Battery in Michigan.

A graduate of Tennessee Institute of Electronics, Brewer lives at Route 1, Seymour. His wife is the former Fay Watson.

Brewer enjoys a variety of hobbies—motorcycle riding and racing, automobile races, hunting, fishing and camping. He also lists experimenting with electronics as an interested sideline.

## John B. Patton

John B. Patton was born in Kingston, and is a graduate of Tennessee Technological University, holding a B.S. degree in industrial technology from there.

He has been at ORGDP more than a year after serving as a captain in the U. S. Army Ordnance Corps.

Mrs. Patton is the former Lynn Snell,

and the couple has two children, Alex and Lori.

Lapidary—the complicated art of polishing stones and gems—is one of the hobbies Patton enjoys most.

## Marvin T. Melton

Marvin T. Melton has been with Union Carbide more than seven years. A native of Sweetwater, he graduated from Knoxville College, and has done additional work at North Carolina A & T, Tennessee A & I, and at The University of Tennessee. Prior to joining Carbide, he was a math and science teacher in the Rhea and Monroe County school systems.

Melton lives at Route 3, Sweetwater. His wife is the former Geraldine Sterlin. They have two sons, Paul and Marvin, Jr., attending school in Sweetwater, and Kaytheleen, age three.

During his spare time he enjoys music, flower and vegetable gardening, and hiking.

## Michael J. E. Shelton

Michael J. E. Shelton, a new foreman in Chemical Operations, is a native of Rockwood.

He was graduated from Middle Tennessee State University with a B.S. degree.

Mrs. Shelton is the former Suzanne Quinn, and the couple lives in Rockwood.

Shelton lists fishing, golfing and swimming as some of his off-duty activities.



## SPORTS NOTES



### GOLF—Paducah

A mixed scrabble is scheduled for Paxton Park, Saturday, April 22. Reservations must be made by Wednesday, April 19. Just call Recreation, PAX 335, or Bell 368 and get your name in today.

### BOWLING—Y-12

The Badgers barely lead the C League, one point ahead of the eager Mini-Strikes, who lead the Rollmasters and Sunflowers by the same scant margin. Frank Winstead, Rollmasters, recently set the timbers afire with a game of 241 . . . and a handicap series of 637.

The Eightballs are two point leaders in the Classic League, with the All Stars, Playboys and Swingsters hot behind. High recently rollings saw the Rebels roll a 3094 handicap series . . . and the Rippers a 3065!

The Cougars are leading the Alley Cats by one point as the Mixed League nears the season's end. The Cats came close to taking the first half of league action, and seem bent on pursuing the coveted last half tops.

### ORNL BOWLING

In March 13 play A League split honors with the Pee Wees taking high HCP series with a 3018, Bob DeBakker of Ten Pins rolling a 667 individual series with HCP, J. E. Shoemaker of Latecommers with a 267 HCP game and Tom Coffey of Pour-It-Ons with a 222 scratch game.

For March 15 C League play honors went to Alley Rads for a 2973 HCP series, to D. R. Ward of Old Men for a 637 HCP series, to J. C. Hart of Remkeys for a 237 HCP game and to D. S. Joy of Damagers for a 213 scratch game.

In E League March 14 play the Doads let 'er roll for a 2916 HCP series. Taking individual honors were Farrelly of Guttersnipes with a 639 HCP series, Eskridge of Woodchoppers with a 248 HCP game and Steele of Woodchoppers with a 208 scratch game.

HP-Ettes of the Ladies League cornered the high HCP series with a 2394. Sandy Beidel of Pick-Ups rolled a 693 to take high HCP series. Other individual honors went to Mary Long of Bowling Aces for a 261 HCP game and to Sally Stockstill of Pick-Ups and Mary Long of Bowling Aces for their 223 scratch games.

### ORGDP BOWLING

Nancy Hay is bowler of the week in the Women's Bowling League. She had scratch scores of 192, 187, 171 for a 550 series and HCP scores of 237, 232, 216 for a 685 series. The Pin-Ups took high HCP series with a 2387.

The All Stars of the Tuesday League blistered the lanes on March 14 for a 3171 HCP series. City Slickers, Atoms and Eight Balls all broke 3000 plus in their scores. G. J. Marrow garnered the other honors with a 683 HCP series, a 239 HCP game and a 218 scratch game.

In the Wednesday League the Demons rolled a 3074 for high HCP series honors. Individual honors went to Carson Qualls for his 262 high HCP game and Bart Simcox for his 722 high HCP series.

### ALL-CARBIDE

Oops team is number one but Pin-setters are running hard. Last week they challenged with a high HCP series of 2360. Other honors went to Dan

Kessell of Dare Devils with a 650 HCP series and Jo Templeton of Upsets with a 644 HCP series. High SCP games went to Sam Babb of Dare Devils with a 233 and Ann Carpenter of 4 C's with a 249. High scratch honors were rolled by Sewell Brown of Oops with a 208 and Ann Carpenter of 4 C's with a 207.

The All Carbide Skeet shooting for March saw Will Davy, Sr., ORGDP, take top honors with a 48.753 total score. Hubert Prewett, Y-12, came in second with 48.654. (Leon Bray, also from Y-12, fired high, but was under penalty, due to previous winnings.) Y-12er Bill Weathersby fired third with a 48.429.

Al King won the first half of the Y Table Tennis League, only one point ahead of Gordon Brewer and John Goldstein, who tied for second place.

Lloyd Watt captured honors in the X Table Tennis League with 17 wins, 4 losses. He was followed by Roy Hudleston with a 16-5 record. The X League recently began the season's second half.

### GOLF

Oak Ridge's three Recreation Departments are issuing calls for golfers who wish to play in summer league action . . . at Southwest Point, Kingston; Melton Hill, Clinton; Cedar Hills, Lenoir City; Whittle Springs, Knoxville; and South Hills, Oak Ridge. Deadline for entering two-man teams will be April 14, at 4:30. Just call your Recreation Department at ORNL, 3-6723; Y-12, 3-7109; and at ORGDP, 3-3150. You may mail your entry in also to ORNL Recreation, 4500-N; Y-12 Recreation, 9711-5; and ORGDP, K-1001.

## Paducah spring dance

The Paducah Civic Center will be the scene for the Paducah Plant's spring dance. FLIGHT 602 will provide the swinging music for the April 28 soiree for the dukes and duchesses.

"Flower Frolic" has been chosen as the theme for the big blast. Advance tickets are on sale at \$1.75 per. They will advance to \$2 at the door, so get your ducats before 4 p.m. at the Recreation Department the day of the dance.

Friday, April 28, approaches quickly . . . so get your tickets today!

## ORGDP veteran, John Runyan, suffers attack

John C. Runyan, 26-year Carbide veteran, died March 21, from an apparent heart attack. He was head of Benefit

Plans at the Oak Ridge Gaseous Diffusion Plant.

A native of Gulnare, Ky., he taught school and was a principal in Kentucky's school systems. He was a graduate from the University of Kentucky.



Mr. Runyan

The Runyan home is at 121 West Newkirk Lane, Oak Ridge. He is survived by his wife, Mrs. Mary Ingraham, a son Larry, and a daughter Cherly; three brothers, two sisters, and three grandchildren.



# Secondary gain from illness

By T. A. Lincoln, M.D.



Dr. Lincoln

With almost every illness or injury, there is a small amount of secondary gain. One gets a little extra attention, sympathy, and love. These side rewards usually help a person recover from his hurt. They may, however, be a serious impediment to complete recovery.

Many patients who are troubled and need to talk to someone about their problems will either develop symptoms or wait until some minor illness strikes before going to a physician. Somehow just going to complain about one's life situation does not seem legitimate. The symptoms are used as a "primary" illness to get the secondary gain of understanding and sympathy which is important. The physician sometimes has to be extremely perceptive to the patient's real need. If he just treats the symptoms, they will never go away as long as the underlying trouble persists. Hundreds of dollars can be spent chasing a phantom illness when the real problem is emotional.

## Can't Judge Self

Numerous examples of secondary gain can be cited. Before the reader discounts the possibility that he might someday fit into one of them, he should realize that he cannot possibly judge his own reactions. He can perhaps judge other members of his family or close friends, but he would do well to avoid any self-assessment.

A husband gets the flu. His wife brings him his meals in bed, massages his sore muscles, worries about him, and gives him extra attention. He never got that when he was well!

A wife gets sick and has to go to bed. The kids miraculously pick up their clothes, make their beds, and help keep the house clean. The rest of the family cooks the meals. They all give her much personal attention and love. She never got that when she was well!

A worker believes he is not appreciated at work. Now he has strained his back. He will show his boss! He won't return to work until he is 100 percent perfect and his boss admits how much he needs him.

A worker has paid insurance premiums or taken them in lieu of salary for many years and never used them once. Now that he is sick he intends to take his dividends. He wants a "complete top-to-bottom" study, even though his physician does not believe his symptoms suggest a dangerous illness.

Work is either boring or downright degrading. Sickness represents an escape. Perhaps the prolonged recovery is a way of saying, "Make my job more satisfying and I'll be back much sooner."

Have thoughts like the following ever entered your mind?

"There are some things around the house that desperately need tending to. I won't go back to work following my operation until I get some of these things done. My doctor pretty much left it up to me. I have a good record and they won't miss me a couple extra days."

"I can't compete with these young bucks just out of college. They have had much better training than I got. My area of specialization, which, incidentally, was pushed onto me by my supervision, is no longer needed. Now I have heart disease. I'll never be able to get another job if I lose this one. The only solution is total and permanent disability retirement. At least that way I'll get out of everyone's way. Maybe my wife can get a job and help out."

"My job requires me to use my back and to lift. The doctor says he has done all he can do. I'll have to learn to live with my backache. My boss won't give me restricted work, at least not permanently. Wish I could learn how to do something that would not require lifting. No chance. 'Can't teach an old dog new tricks.' No place to learn anyway. Now that I'm over 50, I'll never get another job. My only hope is a disability retirement."

## To Help or To Hurt

"My husband is losing interest in me. His career is the only thing that counts anymore. Well, at least he has a strong sense of responsibility. He will never leave me when I am sick. Besides, the only attention I get is when I have one of my sick headaches."

Again it must be reemphasized that in most cases the individual is not consciously aware of the importance of the secondary gain of his illness. To accuse a person of remaining unwell because returning to health, or at least adjusting as well as possible to the limitations imposed by an illness, is counter productive. It usually makes the symptoms worse. The only solution is to be as objective and realistic as possible and expect each person to assume responsibility for his or her future.

Over-protecting the sick or potentially disabled may be the most debilitating thing a person can do. Helping people who are willing to make every possible effort to rehabilitate themselves can be richly rewarding, both to the helper and the helped. Encouraging a child-like dependency is self-defeating, both to the patient and to the relative who means well but does not realize what is really happening.

## March 31 holiday

Friday, March 31, is the third holiday of the year for Nuclear Division employees, as Christendom marks Good Friday. It is traditionally held that Jesus was crucified at the beginning of the Passover, 30 A.D. (The Roman Catholic Church gives the date of the crucifixion as April 7, 30 A.D.)

No employee will be required to work at the four installations unless his presence is required by security or continuous operations.

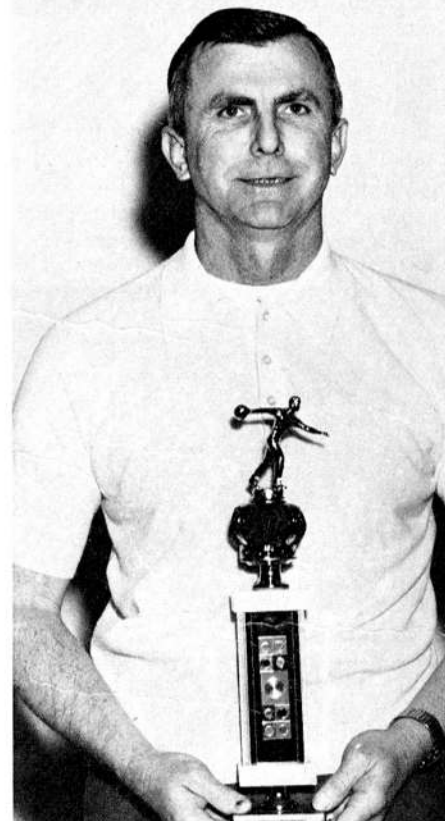
# Honors about evenly divided among plants in All Carbide bowling tourney



**WOMEN WINNERS** — The HP-ettes rolled a 2934 handicap series in the team events for women in the All-Carbide tournament recently to take top honors. The ORNL team consists of Ruth Slusher and Natalie Tarr, seated from left, and Dot Gaddis and Judy Miller, standing. Fay Fletcher was not present.



**MORE EIGHTBALLS** — The rest of the winning team from ORGDP, from left, Captain Giles Oldham and John Plaza. The Eightballs rolled a 3055 handicap series to win top money and handicap trophy in the All Carbide tournament.



**TOURNAMENT CHAMP** — Y-12er Jack Lovegrove led the All-Carbide tournament with a fine 1809 (an average of 201 pins a game!) to take top honors in the multi-plant competition.



**EIGHTBALLS WIN** — Duward Bennett, Jim Hengstler and John F. Kirchler are part of the winning combination that took team honors in the bowling tournament recently. Bennett holds two trophies, his team laurels, and a trophy for All Events Handicap tops.

Two big weekends in Oak Ridge recently climaxed in the All Carbide Bowling tournament, the first held in many years.

Y-12er Jack Lovegrove capped honors as scratch all events winner with an 1809 total score! Women's all events winner was ORGDP's Robert Hawkins, who rolled an 1875 handicap total.

Team honors went to the Y-12 team, Splinters No. 1, consisting of Elmer Johnson, captain; Harry Keen, Paul Brade, George and John Reece, Frank Thurman and R. K. Johnson. The Splinters posted a 2672 scratch total. Handicap team honors went to the ORGDP team, the Eightballs. They are made up of Duward Bennett, Jim Hengstler, John Kirchler, Giles Oldham, captain; and John Plaza. Their handicap score added up to 3055, giving them top team money.

Jim Mooney and Jack Lovegrove cleaned out the alleys for scratch honors in men's doubles. Their combined score was 1168 scratch, 1276 handicap. Harry Keen and Frank Thurman had a 1268 handicap total. All four bowlers roll in Y-12 leagues.

ORNL's Paul Davis rolled a 656 scratch series, 692 handicap series, to grab top money and scratch trophy. Otie Tidwell and J. Farrelly tied for handicap honors . . . all three bowlers hail from ORNL.

In women's team rolling it was the HP-Ettes, from ORNL, rolling a fine 2934 handicap score. They are made up of bowlers Judy Miller, Dot Gaddis, Fay Fletcher, Natalie Tarr and Ruth Slusher. The Lady Bugs No. 1, Edith Duckworth, Tillie Plaza, Jean Zamzow, Jo Bratton and Ruby O'Kain, took scratch honors, rolling a 2387.

Patricia Hunsicker and Elizabeth Phipps posted top scoring in handicap doubles for women with 1289. Ruby O'Kain and Lou Anfinson scored a 1093 in scratch counting.

Sally Stockstill, ORNL, rolled a 680 handicap series, 590 scratch total, to take high money and scratch trophy. Roberta Hawkins, ORGDP, rolled a 505 scratch, 676 handicap series in singles.

Y-12ers Sally Rodgers and Bob Demonbrun rolled a 1315 handicap combination in mixed doubles to take a trophy and top money. Benny and Mary (Mutt) Smith rolled a 1110 scratch score to take scratch honors there.

This was by far the biggest All Carbide tournament ever held in Oak Ridge by bowlers.



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## Calendar of Events

### TECHNICAL

#### April 4

Mathematics Division Seminar: "On Practical Fourier Analysis," W. Gautschi, Purdue University. East Auditorium, Building 4500N, 10 a.m.

Metals and Ceramics Division Seminar: "M and C Division Costing — The Present Approach and Why," R. G. Cardwell. East Auditorium, Building 4500N, 2:30 p.m.

#### April 4-7

Symposium on Molecular Basis of Human Genetic Disease. Riverside Motor Lodge, Gatlinburg.

#### April 5

Chemical Technology Division Seminar: "Isotopic Enrichment from Irradiation of Actinide/Lanthanide Zeolite," D. O. Campbell. Central Auditorium, Building 4500N, 3 p.m.

Engineering at ORNL Meeting: "Engineering Challenges in the '70's." Day-long program, The University of Tennessee, Knoxville. The conference series is

presented by Oak Ridge Associated Universities.

#### April 6

ORNL Seminar on Energy Policy Issues: Joseph C. Swidler, chairman of the New York Public Service Commission. Central Auditorium, Building 4500N, 3 p.m.

#### April 13

Solid State Division Seminar: "Atomic Physics of Fractures," R. M. Thomson, National Bureau of Standards. Conference Room, Building 3025, 10 a.m.

Mathematics Division Seminar: "The Selection of Variables in Regression," Paul S. Dwyer, The University of Michigan. Central Auditorium, Building 4500N, 2 p.m.

### COMMUNITY

#### April 16

Art Center Film Club presents: "The Gospel According to St. Matthew," a 1964 Italian film directed by Pier Paolo Pasolini. Jefferson Junior High School, 8 p.m. Admission: \$1.50; students \$1.



**AFFIRMATIVE ACTION**—Divisional representatives of the Paducah Gaseous Diffusion Plant gathered recently for a meeting to map progress in human relations in the plant. From left are Robert W. Levin, John L. Clark, Charles Fritts, Joe White, chairman; H. Frank Shanklin, Arthur K. Edwards, John K. Phipps, Robroy Millican.



**MUSIC PEOPLE FOR YOUR VIEWING**—Bill Clark's paintings for exhibit during the plant. From left are Robert W. Levin, John L. Clark, Charles Fritts, Joe White, chairman; H. Frank Shanklin, Arthur K. Edwards, John K. Phipps and Robroy Millican.

## Bill Clark, ORNL graphic arts, shows paintings in Knox dogwood festival

It's dogwood time again and with the blossoming of the dogwood comes a chance to see an exhibit of paintings by ORNL's Bill Clark. The exhibit, named "Music People," may be viewed at Fountain City Library, 213 Hotel Avenue in Knoxville, April 7-16. Hours are Monday-Thursday, 1-9 p.m. and Friday and Saturday, 9 a.m.-5:30 p.m.

The paintings are a series of studies of music people who live in or have played in the East Tennessee area. An attempt has been made to show some of the many differences and at the same time some of the similarities that exist right now. Some are accomplished musicians, others just pick a little and sing a little. Some are mountain folk, some from the city, and some are roving minstrels.

Clark is a technical illustrator in ORNL's Graphic Arts Department. He is

a graduate of Ringling School of Art in Sarasota, Fla., and the Famous Artist School in Westport, Conn. He and his wife Betty, who is also an artist, have exhibited their work in local shows in Oak Ridge, Knoxville and the Hickory Museum of Art, Hickory, N. C.

Some 50 paintings will be at the Library for viewing and two will be included in an exhibit at the opening of Knoxville's Hyatt Regency House. During November 19971 Clark showed 17 paintings at the Oak Ridge Playhouse.

## Herman Douglas dies

We extend sympathy to the family and friends of Herman R. Douglas, Sr.,



who died March 7 at his home in Kodak. He came to ORNL in December 1957 and was a mechanical instrument maker in Plant and Equipment Division.

Mr. Douglas was an avid golfer, and he raised cattle on his farm in Kodak. He was a member of the Lincoln Park Baptist Church in Knoxville and was a Master Mason.

He is survived by his wife, Ruth; a son, Herman, Jr., of Kentucky; three grandchildren and a sister.

## Lost and found

The following items have been reported to ORNL Guard Headquarters. Please contact them, 3-6646, for information concerning lost and found items.

**Lost:** Yellow gold necklace.

**Found:** Lady's white gold wedding band; man's black gloves, fleece-lined; yellow gold Masonic ring and a lady's yellow gold ring with a green set.

"The best test of a man is authority."  
—Montenegrin Proverb.

## QUESTION BOX

(Continued from Page 1)

**UCC?** Also, how many purchase stock through the Personal Saving Accounting of the Savings Plan?

**Answer:** It would be difficult to guess how many Carbiders own stock in their own company, since they may buy through a broker, or inherit shares. Approximately 6,500 employees are buying Union Carbide stock through the Personal Savings Account, and their holdings amount to some 807,000 shares.

**Question:** When a vacation schedule was issued in our department recently, our supervisor stated that PLV (pay in lieu of vacation) was not allowed for exempt employees in 1972. Is this still correct?

**Answer:** A Plant Bulletin issued in December of last year went to all Exempt Salaried Employees, stating that pay in lieu of vacation for exempt salaried employees was suspended for 1972. The reason given was conservation of funds in the Nuclear Division. This was also in line with corporate-wide policy. No non exempt salaried nor hourly employees were effected by the edict,